CLAIMS

What is claimed is:

1. A communication system with a communications adapter operating in an interrupt mode, the system comprising:

a network system with at least one sender and a recipient of a message and a network for communication therebetween;

said communications adapter placing data from said message in a receive buffer and generating an interrupt; and

a state variable configured to track received messages.

2. The system of claim 1 wherein:

said state variable is incremented only if a multi-packet message is received;

said state variable is decremented if said multi-packet message completes;

an interrupt handler exiting only if: there are no more packets in said receive buffer; and at least one of: said state variable is equal to a selected value and a selected interval has transpired since said interrupt was generated.

3. The system of claim 2 wherein said selected interval is about 100 milliseconds.

4. The system of claim 1 wherein said state variable tracks a number of packets in said received message exhibiting multiple packets.

5. The system of claim 1 wherein said received messages exhibiting a single packet are ignored with respect to said state variable.

6. The system of claim 1 wherein said state variable is created in said recipient.

7. The system of claim 1 wherein said state variable is namespaced based on a selected sender of a message.

8. The system of claim 1 wherein said state variable is includes at least one of a function and one or more parameters.

9. The system of claim 8 wherein said parameters include at least one of a state variable name, a sender, and a message.

10. A method for increasing bandwidth in an interrupt mode processing protocol comprising:

creating a state variable configured to track received messages;

incrementing said state variable only if said received message exhibits multiple packets;

decrementing said state variable if said received message exhibits multiple packets and completes; and

generating an interrupt, with a communications adapter running in an interrupt mode, said communications adapter placing data from received message in a receive buffer.

11. The method of claim 10 further including:

exiting an interrupt handler only if: there are no more packets in said receive buffer; and at least one of: said state variable is equal to a selected value and a selected interval has transpired since said interrupt was generated.

12. The method of claim 11 wherein said selected interval is about 100 milliseconds.

13. The method of claim 10 wherein said state variable tracks a number of packets in said received message exhibiting multiple packets.

14. The method of claim 10 wherein said received messages exhibiting a single packet are ignored with respect to said state variable.

15. The method of claim 10 wherein said state variable is created in said recipient.

16. The method of claim 10 wherein said state variable is namespaced based on a selected sender of a message.

17. The method of claim 10 wherein said state variable is includes at least one of a function and one or more parameters.

18. The method of claim 10 wherein said parameters include at least one of a state variable name, a sender, and a message.

19. A storage medium encoded with a machine-readable computer program code, said code including instructions for causing a computer to implement a method for increasing bandwidth in an interrupt mode processing protocol, the method comprising:

creating a state variable configured to track received messages;

incrementing said state variable only if said received message exhibits multiple packets;

decrementing said state variable if said received message exhibits multiple packets and completes; and

generating an interrupt, with a communications adapter running in an interrupt mode, said communications adapter placing data from received message in a receive buffer.

20. The storage medium of Claim 19 further including code including instructions for causing a computer to implement a method for increasing bandwidth in an interrupt mode processing protocol, the method further including:

exiting an interrupt handler only if: there are no more packets in said receive buffer; and at least one of: said state variable is equal to a selected value and a selected interval has transpired since said interrupt was generated.